at1110paper_practice_test (v19)

1. Expand the following expression into standard form.

$$(4x - 9)(6x + 5)$$

2. Solve the equation.

$$(3x + 7)(5x - 4) = 0$$

3. Expand the following expression into standard form.

$$(2x - 9)(2x + 9)$$

4. Expand the following expression into standard form.

$$(2x + 7)^2$$

5. Factor the expression.
$$x^2 + 11x + 28$$

6. Factor the expression.
$$25x^2 - 49$$

7. Solve the equation with factoring by grouping.
$$8x^2 + 20x - 6x - 15 \;=\; 0$$

8. Solve the equation.
$$7x^2 - 24x - 74 \;=\; 4x^2 - 5x - 2$$